

IN THE CLAIMS:

Please cancel Claims 99, 108, 117 and 126, without prejudice or disclaimer of subject matter.

Please amend Claims 12-14, 35-37, 58-60, 81-83, 93-98, 100-107, 109-116, 118-125, and 127-128 as indicated below. The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

Claim 1-11 (canceled).

Claim 12. (Currently Amended): A system for diverting a quantity of in-transit units having a product number, comprising ~~located on a network linking the system with a server on the network, the system being adapted to:~~

a diversion control server including a processor configured to calculate a plurality of estimated time of arrivals to a plurality of destinations for at least one in-transit unit having the product number and a due date associated with the plurality of estimated time of arrivals by which a diversion request must be completed to cause the quantity of in-transit units to be diverted, wherein the diversion request is based in part on the estimated time of arrivals;

a terminal configured to transmit to the diversion control server product inquiry information including [[a]] the product number, to receive from the diversion control server the plurality of estimated time of arrivals and the due date, and to transmit to the diversion control server the diversion request to cause the diversion control server to divert the quantity of in-transit units

receive a plurality of estimated time of arrivals to a plurality of destinations for at least one in-transit unit having the product number; and

display the plurality of estimated time of arrivals, an identifier for each of the plurality of destinations, and at least one field for entering a quantity of in-transit units to be diverted to one of the plurality of destinations.

Claim 13. (Currently Amended): A system according to claim 12, ~~further adapted to:~~

~~transmit to the server a~~ wherein the diversion request includes ~~[[ing]]~~ a shipping carrier identifier, ~~[[a]]~~ the product number, the quantity, and a destination identifier; and

wherein the diversion control server is further configured to transmit to the terminal ~~receive~~ an acknowledgement ~~from the server that it has diverted one of that~~ the quantity of ~~at least one~~ in-transit units have been diverted to a final destination corresponding to the destination identifier.

Claim 14. (Currently Amended): A system according to claim 12 wherein the diversion control unit is further adapted to:

~~transmit to the server~~ receive a product purchase order including a product number, the quantity, and a customer identifier, ~~and~~

transmit to the terminal ~~receive~~ an acknowledgement ~~from the server~~ that the product purchase order has been accepted, and

~~wherein the server~~ divert ~~[[s]]~~ the quantity of one of the at least one in-transit units of that product number to a final destination based on the customer identifier.

Claims 15-34 (canceled).

Claim 35. (Currently Amended): A method of diverting a quantity of in-transit units having a product number ~~obtaining estimated time of arrivals from a server on a network~~, the method comprising the steps of:

calculating a plurality of estimated time of arrivals to a plurality of destinations for at least one in-transit unit having the product number and a due date associated with the plurality of estimated time of arrivals by which a diversion request must be completed to cause the quantity of in-transit units to be diverted, wherein the diversion request is based in part on the estimated time of arrivals;

~~transmitting to the server~~ product inquiry information including [[a]] the product number;

receiving the plurality of estimated time of arrivals and the due date; and  
transmitting the diversion request to cause the quantity of in-transit units to be diverted

receiving a plurality of estimated time of arrivals to a plurality of destinations for at least one in-transit unit having the product number; and

~~displaying the plurality of estimated time of arrivals, an identifier for each of the plurality of destinations, and at least one field for entering a quantity of in-transit units to be diverted to one of the plurality of destinations.~~

Claim 36. (Currently Amended): A method as set forth in claim 35, further comprising the steps of:

generating an acknowledgement that the quantity of in-transit units have been diverted to a final destination.

transmitting to the server a ~~wherein the~~ diversion request includes ~~[[ing]]~~ a shipping carrier identifier, ~~[[a]]~~ the product number, the quantity, and a destination identifier; and

receiving an acknowledgement from the server that it has diverted one of the at least one in-transit units to a final destination corresponding to the destination identifier.

Claim 37. (Currently Amended): A method as set forth in claim 35, further comprising the steps of:

~~transmitting to the server~~ receiving a product purchase order including ~~[[a]]~~ the product number, the quantity, and a customer identifier; and

~~receiving~~ transmitting an acknowledgement ~~from the server~~ that the product purchase order has been accepted; ~~wherein the server diverts one of the at least one ; and~~ diverting the quantity of in-transit units of that product number to a final destination based on the customer identifier.

Claims 38-57 (canceled).

Claim 58. (Currently Amended): A system for diverting a quantity of in-transit units having a product number obtaining estimated time of arrivals from a server on a network, the system comprising:

means for calculating a plurality of estimated time of arrivals to a plurality of destinations for at least one in-transit unit having the product number and a due date associated with the plurality of estimated time of arrivals by which a diversion request must

be completed to cause the quantity of in-transit units to be diverted, wherein the diversion request is based in part on the estimated time of arrivals;

~~means for transmitting to the server product inquiry information including~~  
[[a]] the product number;

means for receiving the plurality of estimated time of arrivals and the due date; and

means for transmitting the diversion request to cause the quantity of in-transit units to be diverted

~~means for receiving a plurality of estimated time of arrivals to a plurality of destinations for at least one in-transit unit having the product number; and~~

~~means for displaying the plurality of estimated time of arrivals, an identifier for each of the plurality of destinations, and at least one field for entering a quantity of in-transit units to be diverted to one of the plurality of destinations.~~

Claim 59. (Currently Amended): A system as set forth in claim 58, ~~further comprising:~~

~~means for transmitting to the server a~~ wherein the diversion request includes[[ing]] a shipping carrier identifier, [[a]] the product number, the quantity, and a destination identifier, and further comprising; ~~and~~

~~means for receiving~~ generating an acknowledgement ~~from the server that it has diverted one of the at least one~~ that the quantity of in-transit units have been diverted to a final destination corresponding to the destination identifier.

Claim 60. (Currently Amended): A system as set forth in claim 58, further comprising:

means for ~~transmitting to the server~~ receiving a product purchase order including ~~[[a]]~~ the product number, the quantity, and a customer identifier; and

means for ~~receiving~~ transmitting an acknowledgement from the server that the product purchase order has been accepted; ~~wherein the server diverts one of the at least one~~ ; and

means for diverting the quantity of in-transit units of that product number to a final destination based on the customer identifier.

Claims 61-80 (canceled).

Claim 81. (Currently Amended): Computer-readable code stored on a computer-readable storage medium for diverting a quantity of in-transit units having a product number, including:

code for calculating a plurality of estimated time of arrivals to a plurality of destinations for at least one in-transit unit having the product number and a due date associated with the plurality of estimated time of arrivals by which a diversion request must be completed to cause the quantity of in-transit units to be diverted, wherein the diversion request is based in part on the estimated time of arrivals;

code for ~~transmitting to the server~~ product inquiry information including ~~[[a]]~~ the product number;

code for receiving the plurality of estimated time of arrivals and the due date; and

code for transmitting the diversion request to cause the the quantity of in-transit units to be diverted

code for receiving a plurality of estimated time of arrivals to a plurality of destinations for at least one in-transit unit having the product number; and

code for displaying the plurality of estimated time of arrivals, an identifier for each of the plurality of destinations, and at least one field for entering a quantity of in-transit units to be diverted to one of the plurality of destinations.

Claim 82. (Currently Amended): Computer-readable code according to claim 81, further including:

code for generating an acknowledgement that the quantity of in-transit units have been diverted to a final destination; and

code for transmitting to the server a wherein the diversion request includes[[ing]] a shipping carrier identifier, [[a]] the product number, the quantity, and a destination identifier;~~and~~

code for receiving an acknowledgement from the server that it has diverted one of the at least one in-transit units to a final destination corresponding to the destination identifier.

Claim 83. (Currently Amended): Computer-readable code according to claim 81, further including:

code for ~~transmitting to the server~~ receiving a product purchase order including a product number, the quantity, and a customer identifier; and

code for receiving transmitting an acknowledgement ~~from the server~~ that the product purchase order has been accepted;~~wherein the server ; and~~

code for diverts one of the at least one diverting the quantity of in-transit units of that product number to a final destination based on the customer identifier.

Claims 84-92 (canceled).

Claim 93. (Currently Amended): The system according to claim 12, wherein the system is further adapted to display the due date by which an allocation must be completed is based on when the quantity of in-transit units will be coded as unavailable for diversion.

Claim 94. (Currently Amended): The system according to claim 12, further comprising:  
a sales history module wherein the system is further communicatively coupled to the diversion control server and adapted to collect sales history information and transmit display a sales history value corresponding to one of the plurality of destinations.

Claim 95. (Currently Amended). The system according to claim 12, further comprising:  
an inventory information module wherein the system is further adapted to display collect inventory information and transmit to the terminal a current inventory value for one of the plurality of destinations.

Claim 96. (Currently Amended): The system according to claim 12, further comprising:  
a back order information module wherein the system is further adapted to display collect back order information and transmit a current back order value for one of the plurality of destinations.



Claim 97. (Currently Amended): The system according to claim 12, wherein the quantity of in-transit units is represented by a number of containers holding the at least one in-transit unit.

Claim 98. (Currently Amended): The system according to claim 97, wherein the diversion control server system is further adapted to display transmit to the terminal a number representing how many units a container holds.

Claim 99. (Canceled).

Claim 100. (Currently Amended): The system according to claim 12, wherein the ~~system~~ the diversion control server is further adapted to display calculate a suggested quantity of in-transit units to divert to one of the plurality of destinations.

Claim 101. (Currently Amended): The system according to claim 100, wherein the diversion control server is further adapted to calculate the suggested quantity of in-transit units to divert ~~[[is]]~~ based on historical allocation data of the plurality of destinations.

Claim 102. (Currently Amended): The method according to claim 35, further comprising the step of:

~~displaying~~ transmitting the due date by which an allocation must be completed.

Claim 103. (Currently Amended): The method according to claim 35, further comprising the steps of:  
~~displaying~~ collecting sales history information; and  
transmitting a sales history value corresponding to one of the plurality of destinations.

Claim 104. (Currently Amended): The method according to claim 35, further comprising the steps of:  
~~displaying~~ collecting inventory information; and  
transmitting a current inventory value for one of the plurality of destinations.

Claim 105. (Currently Amended): The method according to claim 35, further comprising the steps of:  
collecting back order information; and  
~~displaying~~ transmitting a current back order value for one of the plurality of destinations.

Claim 106. (Currently Amended): The method according to claim 35, wherein the quantity of in-transit units is represented by a number of containers holding the at least one in-transit unit.

Claim 107. (Currently Amended): The method according to claim 106, further comprising the step of:

~~displaying transmitting~~ a number representing how many units a container holds.

Claim 108. (Canceled).

Claim 109. (Currently Amended): The method according to claim 35, further comprising the step of:

~~displaying calculating~~ a suggested quantity of in-transit units to divert to one of the plurality of destinations.

Claim 110. (Currently Amended): The method according to claim 109, further comprising the step of ~~wherein~~ calculating the suggested quantity of in-transit units to divert [[is]] based on historical allocation data of the plurality of destinations.

Claim 111. (Currently Amended): The system as set forth in claim 58, further comprising:

means for ~~displaying transmitting~~ the due date by which an allocation must be completed.

Claim 112. (Currently Amended): The system as set forth in claim 58, further comprising:

means for collecting sales history information; and

means for ~~displaying transmitting~~ a sales history value corresponding to one of the plurality of destinations.

Claim 113. (Currently Amended): The system as set forth in claim 58,  
further comprising:

means for ~~displaying~~ collecting inventory information; and  
means for transmitting a current inventory value for one of the plurality of  
destinations.

Claim 114. (Currently Amended): The system as set forth in claim 58,  
further comprising:

means for collecting back order information; and  
means for ~~displaying~~ transmitting a current back order value for one of the  
plurality of destinations.

Claim 115. (Currently Amended): The system as set forth in claim 58,  
wherein the quantity of in-transit units is represented by ~~[[is]]~~ a number of containers  
holding the at least one in-transit unit.

Claim 116. (Currently Amended): The system as set forth in claim 115,  
further comprising:

means for ~~displaying~~ transmitting a number representing how many units a  
container holds.

Claim 117. (Canceled).

Claim 118. (Currently Amended): The system as set forth in claim 58,  
further comprising:

means for ~~displaying~~ calculating a suggested quantity of in-transit units to divert to one of the plurality of destinations.

Claim 119. (Currently Amended): The system as set forth in claim 118, further comprising:

wherein means for calculating the suggested quantity of in-transit units to divert ~~[[is]]~~ based on historical allocation data of the plurality of destinations.

Claim 120. (Currently Amended): Computer-readable code according to claim 81, ~~further including:~~

code for displaying wherein the date by which an allocation must be completed is based on when the quantity of in-transit units will be coded as unavailable for diversion.

Claim 121. (Currently Amended): Computer-readable code according to claim 81, further including:

code for collecting sales history information; and  
code for transmitting ~~displaying~~ a sales history value corresponding to one of the plurality of destinations.

Claim 122. (Currently Amended): Computer-readable code according to claim 81, further including:

code for collecting inventory information; and  
displaying code for transmitting a current inventory value for one of the plurality of destinations.

Claim 123. (Currently Amended): Computer-readable code according to claim 81, further including:

code for collecting back order information; and

~~displaying~~ code for transmitting a current back order value for one of the plurality of destinations.

Claim 124. (Currently Amended): Computer-readable code according to claim 81, wherein the quantity of in-transit units is represented by a number of containers holding the at least one in-transit unit.

Claim 125. (Currently Amended): Computer-readable code according to claim 124, further including:

code for transmitting ~~displaying~~ a number representing how many units a container holds.

Claim 126. (Canceled).

Claim 127. (Currently Amended): Computer-readable code according to claim 81, further including:

code for calculating ~~displaying~~ a suggested quantity of in-transit units to divert to one of the plurality of destinations.

Claim 128. (Currently Amended): Computer-readable code according to claim 127, further including:

wherein code for calculating the suggested quantity of in-transit units to divert `[[is]]` based on historical allocation data of the plurality of destinations.